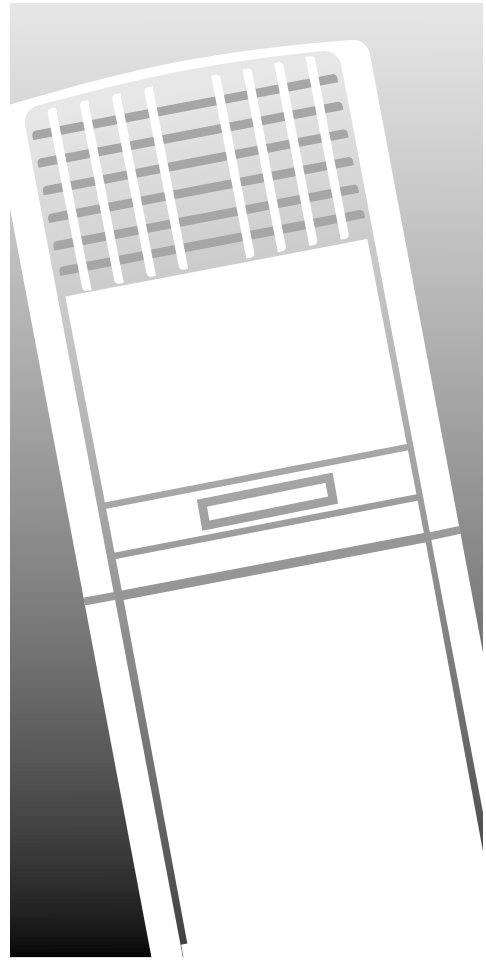
SAMSUNG

OWNER'S INSTRUCTIONS

APC304NTB

Floor Stand Type Air Conditioner

(Cooling)



ⒺⒶ DB98-23935A(1)

Register your product at www.samsung.com/global/register

Safety Precautions

The following safety precautions must be taken when using your air conditioner.

WARNING Risk of electric shock. • Can cause injury or death. • Disconnect all remote electric power supplies before servicing, installing or cleaning. • This must be done by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.

DURING OPERATION

- Users of this product are cautioned not to attempt repair of this product at their own discretion. Instead, they are requested to directly contact a designated service center or the outlet at which the product was purchased.
- Never spill any kind of liquid into the unit. Should this happen, unplug or main switch off the unit and contact an authorized service center.
- Do not insert anything between the air outlet blades because the inner fan may be damaged and could cause injury. Keep children away from the unit.
- Do not place any obstacles in front of the unit.
- Do not spray liquid of any kind into the indoor unit. Should this happen, switch off the breaker used for your air conditioner and contact your installation specialist.
- Make sure that the unit is correctly ventilated at all times:
  Do not place clothing or other materials over it.
- If the wireless remote control will not be used for a long time, remove the batteries. (If applicable)
- When using a wireless remote control, the distance should not be more than 7 meters from the air conditioner. (If applicable)

DISPOSING OF THE UNIT

- Before throwing out the device, it is necessary to pull back the battery cells and get rid of them safely for recycling reasons.
- When you need to dispose of the unit, consult your dealer. If pipes are removed incorrectly, refrigerant may blow out and come into contact with your skin, causing injury. Releasing refrigerant into the atmosphere also damages the environments.
- Please recycle or dispose of the packaging material for this product in an environmentally responsible manner.

OTHERS

- Never store or ship the air conditioner upside down or sideways to avoid damage to the compressor.
- The appliance is not intended for use by young children or infirm persons without supervision: Young children should be supervised to ensure that they do not play with the appliance.
- Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

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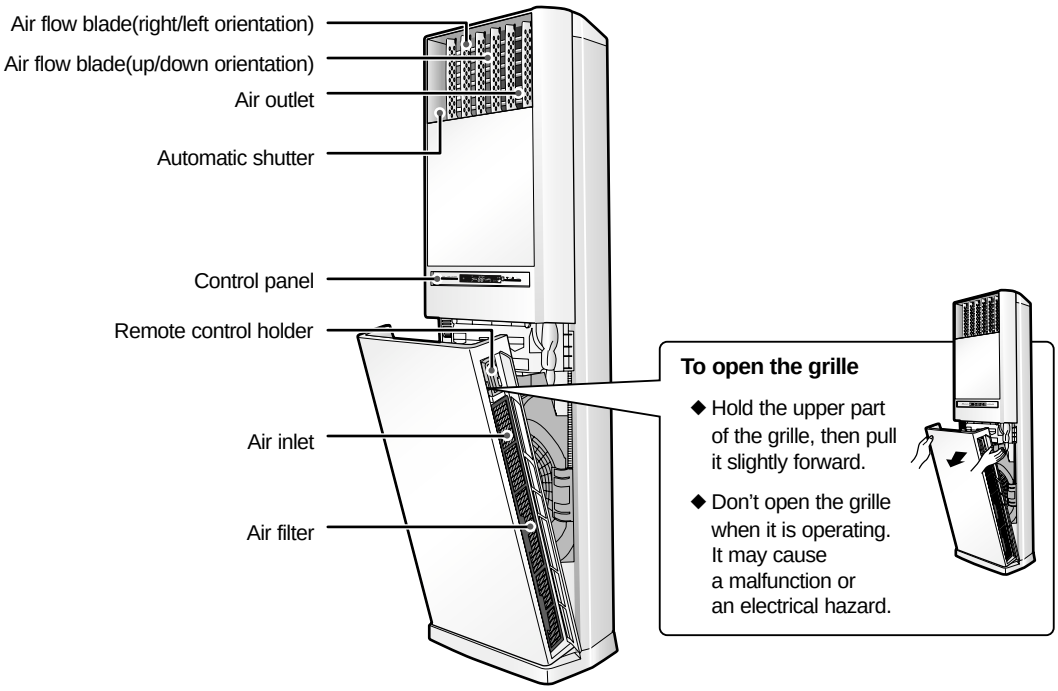
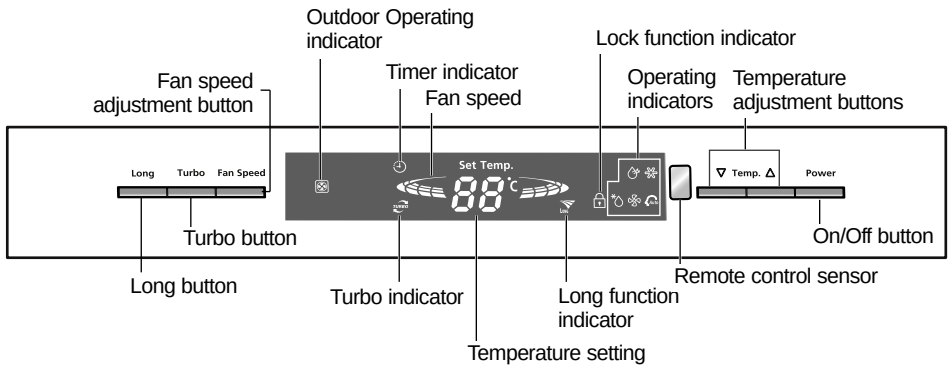
View of the Unit

Indoor Unit

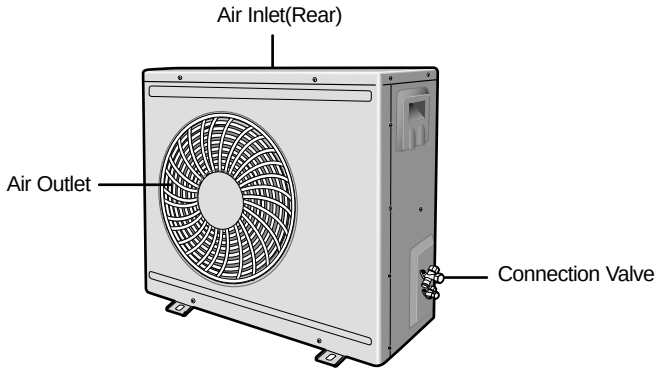

Air flow blade(right/left orientation)
Air flow blade(up/down orientation)
Air outlet
Automatic shutter
Control panel
Remote control holder
Air inlet
Air filter
To open the grille
◆ Hold the upper part of the grille, then pull it slightly forward.
◆ Don't open the grille when it is operating. It may cause a malfunction or an electrical hazard.

Control Panel

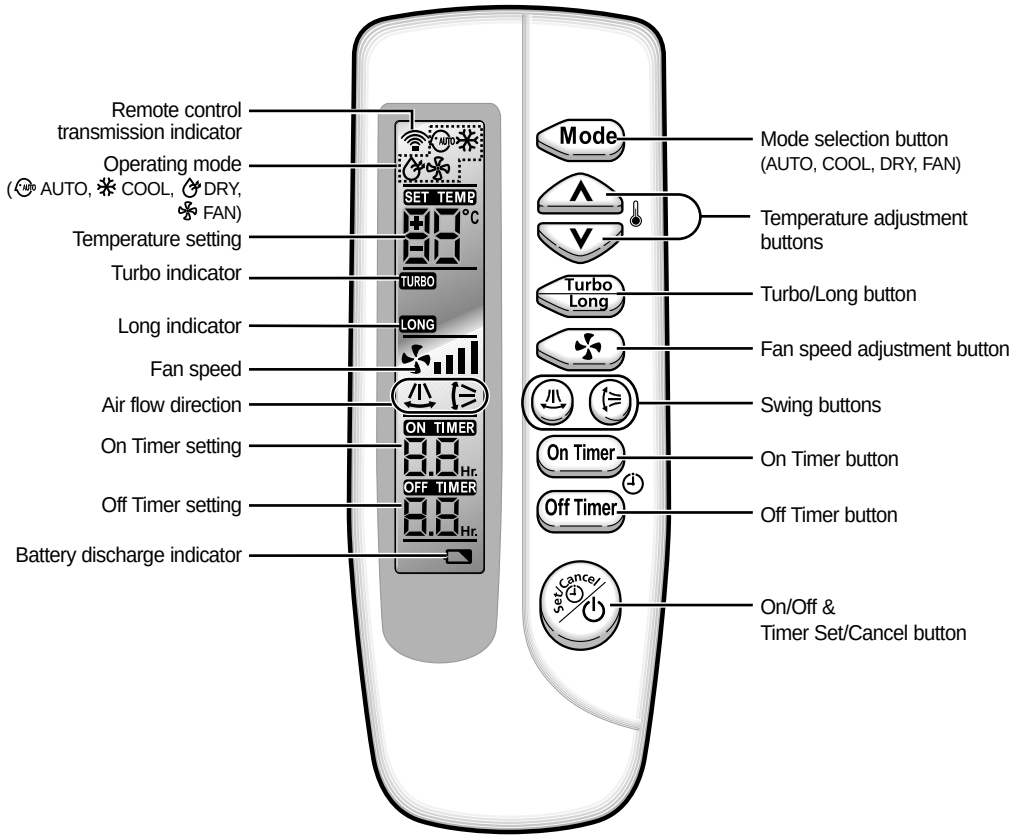
You can operate the air conditioner with the control panel when you can't or don't want to operate the air conditioner with the remote control. (refer to page 20)



Outdoor Unit



Remote Control-Buttons and Display



Getting Started

You have just purchased a floor stand type air conditioner and it has been installed by your installation specialist.

Your Owner's Instructions contains valuable information on using your air conditioner. Please take the time to read it as it will help you take full advantage of the unit's features.

The booklet is organized as follows.

- ***The following figures are shown on pages from 4 to 6 :***
  - ***Indoor and outdoor units***
  - ***Remote control(buttons and display)***

  They will help you find the buttons and understand the symbols displayed.

- ***In the manual, you will find a series of step-by-step procedures for each function available.***

The illustrations in the step-by-step procedures use three different symbols:

PRESS	**PUSH**	**HOLD DOWN**

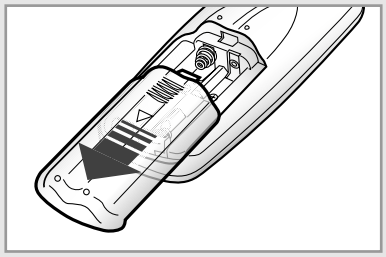
Inserting the Remote Control Batteries

You must insert or replace the remote control batteries when :

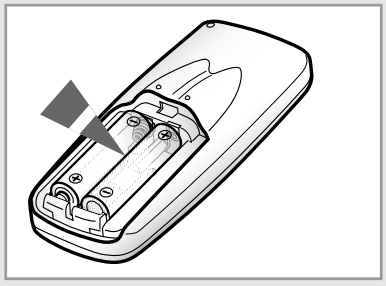
- ***You purchase the air conditioner***
- ***The remote control does not work correctly***

Note

- Use two AAA, LR03 1.5V batteries.
- Do not use old batteries or different kinds of batteries together.
- Batteries may be completely discharged after 12 months, even if they have not actually been used.



1 Push the battery cover on the rear of the remote control with your thumb in the direction of the arrow and remove it.

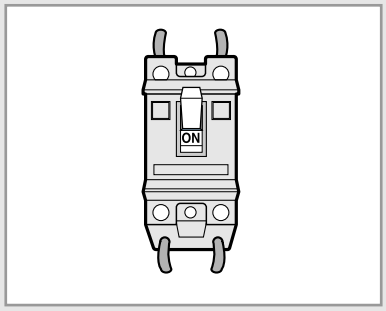


2 Insert the two batteries, taking care to respect the polarities :
- ◆ + on the battery with + on the remote control.
- ◆ - on the battery with - on the remote control.

3 Close the cover by sliding it back until it clicks into place.

Operating Preparation

Look around the indoor and outdoor units. Confirm if any obstacles that may prevent the air flow are present near the air conditioner.

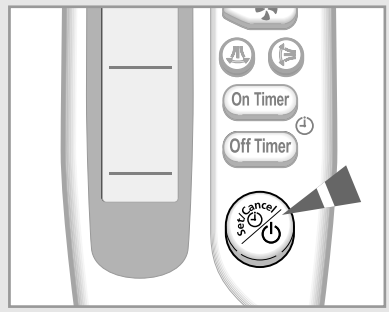


Turn the power switch on.

IMPORTANT To operate the unit, the power switch is fitted to the wall and should be set to ON.

Selecting the Automatic Operating Mode

You can start the air conditioner in Automatic mode from your remote control. In the Automatic mode, the standard temperature and the optimum fan speed is selected automatically. You can adjust the standard temperature but not the fan speed.

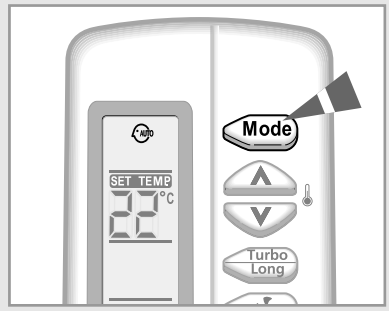


1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.

IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
- Switched on
- Stopped

It will start up normally after three minutes.



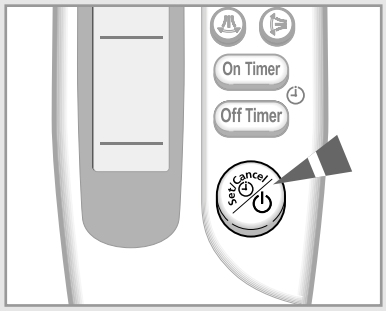
2 If the AUTO is not displayed at the top of the remote control, press the Mode button on the remote control one or more times until it appears.

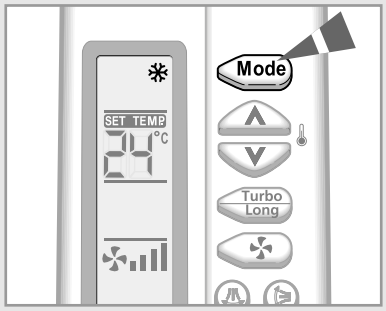
Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in AUTO mode.

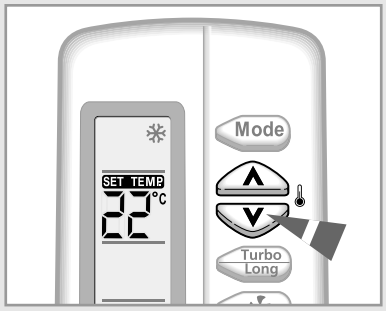
Note You can change modes at any time.

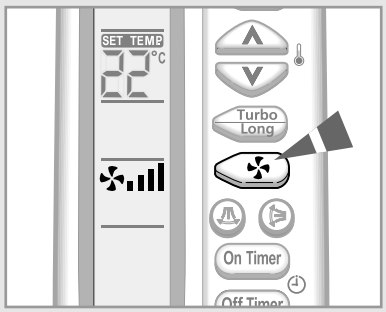
Note ***If you press the button in AUTO mode, it will change to COOL mode automatically.***

Cooling Your Room









You must select the Cool mode if you wish to adjust the:

- ***Cooling temperature***
- ***Fan speed when cooling***

1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.

IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
- Switched on
- Stopped

It will start up normally after three minutes.

2 If the ❄ is not displayed at the top of the remote control, press the Mode button on the remote control one or more times until it appears.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in COOL mode.

Note You can change modes at any time.

3 To adjust the temperature, press the button one or more times until the required temperature is displayed.
Possible temperatures are between 18°C and 30°C inclusive.

Result:
- Each time you press the button:
  - The temperature is adjusted by 1°C
  - The indoor unit beeps
- The air conditioner starts cooling, provided that the room temperature is higher than the selected temperature.
- If the room temperature reaches the set temperature, the air conditioner stops cooling, but the fan is still operating.

4 Select the fan speed by pressing the button one or more times until the required setting is displayed:

- Medium
- High
- Turbo (maximum)
- Automatic (rotated : → →)

Result: Each time you press the button, the indoor unit beeps.

5 To control the direction of the air flow, refer to page 15.

Removing Excess Humidity

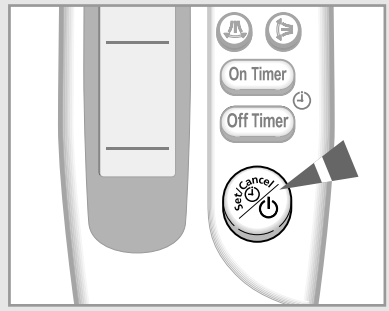
If the atmosphere in your room is very humid or damp, you can remove excess humidity without lowering the room temperature too much.

1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.

IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
- Switched on
- Stopped

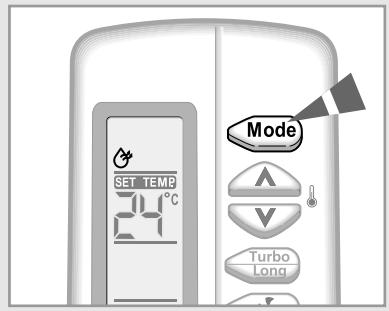
It will start up normally after three minutes.



2 If the is not displayed at the top of the remote control, press the Mode button on the remote control one or more times until it appears.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in DRY mode.

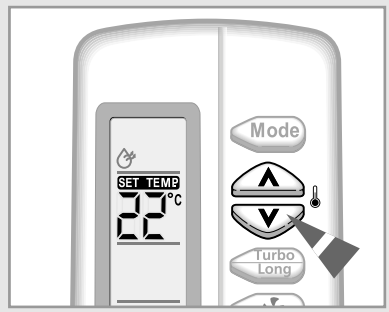
Note You can change modes at any time.



3 To adjust the temperature, press the button one or more times until the required temperature is displayed.

Possible temperatures are between 18°C and 30°C inclusive.

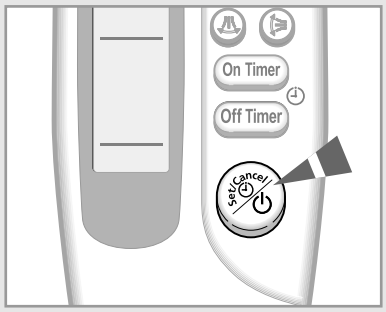
Result:
- Each time you press the button:
  - The temperature is adjusted by 1°C
  - The indoor unit beeps
- The air conditioner starts removing the excess humidity; the quantity of air is adjusted automatically.



4 To control the direction of the air flow, refer to page 15.

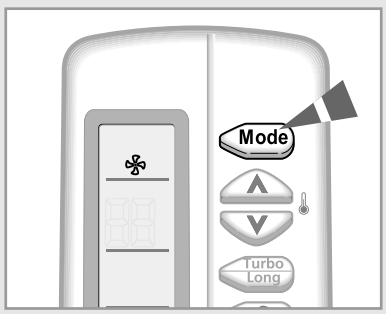
Airing Your Room

If the atmosphere in your room is stale, you can air the room using the Fan feature.



1 If necessary, press the (On/Off) button.

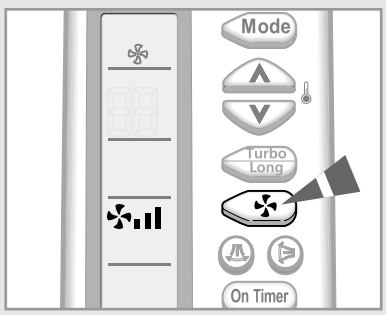
Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.



2 If the is not displayed at the top of the remote control, press the Mode button on the remote control one or more times until it appears.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in FAN mode.
- The temperature is set automatically.

Note You can change modes at any time.



3 Select the fan speed by pressing the button one or more times until the required setting is displayed:

- Medium
- High
- Turbo (maximum)

Result: Each time you press the button, the indoor unit beeps.

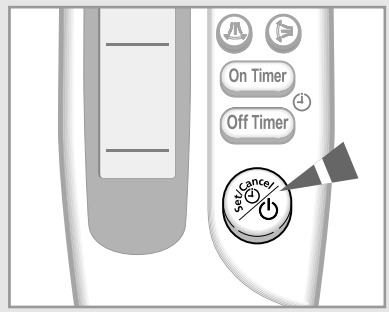
4 To control the direction of the air flow, refer to page 15.

Changing the Room Temperature Quickly

The Turbo cooling function is used to cool your room as quickly as possible.

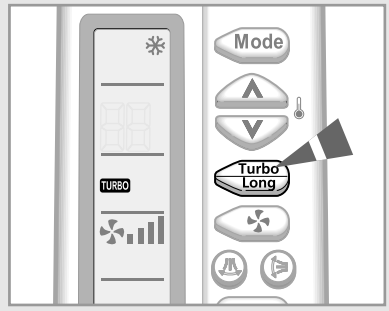
Example : ***You have just come home and find that the room is very hot. You wish to cool it down as quickly as possible.***

The Turbo function operates for 30 minutes with the maximum settings before returning automatically to the mode and temperature previously selected.



1 If necessary, press the (On/Off) button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.



2 Press the Turbo Long button.

Result:
- The temperature and fan settings are adjusted automatically.
- The air conditioner cools or heats the room as quickly as possible.
- After 30 minutes, the air conditioner is reset automatically to the previous mode, temperature and fan settings.
  But, if you press the Turbo Long button in DRY or FAN mode, it will change to AUTO mode automatically.

Note You cannot select Turbo and Long function simultaneously.

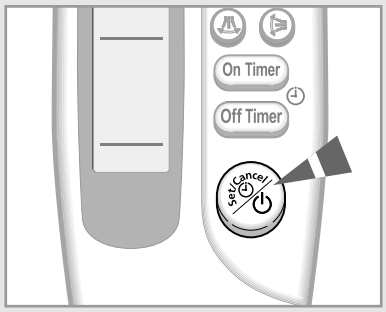
3 If you wish to stop the Turbo function before the end of the 30-minute period, press the Turbo Long button twice.

Result: The air conditioner is reset automatically to the previous mode, temperature and fan settings.

4 To control the direction of the air flow, refer to page 15.

Operating to the Long Distance

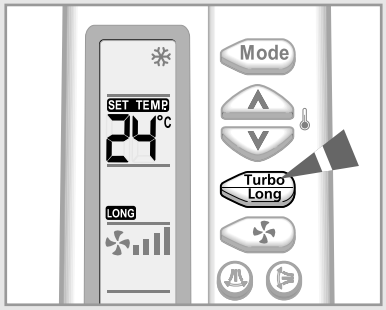
The Long function is used to cool your room as far as possible. In the Long function, the up/down orientation of air flow and fan speed are selected automatically.



1 If necessary, press the (On/Off) button.

Result: ◆ The operation indicator on the indoor unit lights up.
◆ The air conditioner starts up in the mode selected when the unit was last used.
◆ The indoor unit beeps.

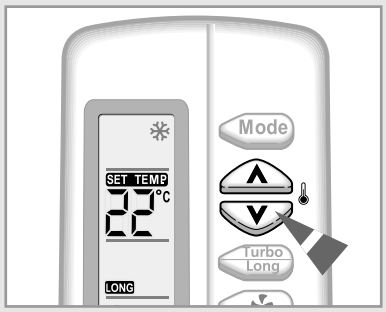
IMPORTANT The air conditioner is fitted with a protection mechanism to prevent the unit from being damaged when it is started immediately after being:
◆ Switched on
◆ Stopped
It will start up normally after three minutes.



2 Press the Turbo Long button twice.

Result: ◆ The air conditioner cools the room as far as possible.
◆ The fan settings are adjusted automatically.
◆ If you press the Turbo Long button in the DRY or the FAN mode that is changed with the Auto mode automatically.

Note You cannot select Turbo and Long function simultaneously.



3 To adjust the temperature, press the buttons one or more times until the required temperature is displayed.
Possible temperatures are between 18°C and 30°C inclusive.

Result: Each time you press the buttons:
- The temperature is adjusted by 1°C.
- The indoor unit beeps.

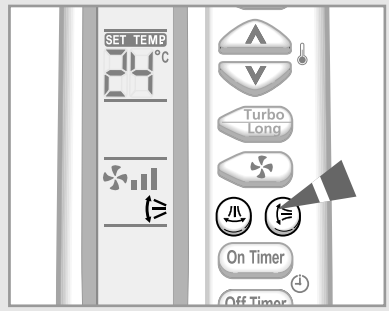
4 If you wish to stop the Long function, press the Turbo Long button again.

Result: The air conditioner is reset automatically to the previous mode, temperature and fan settings.

5 To control the direction of the air flow horizontally, refer to page 15.

Adjusting the Air Flow Direction Vertically

Depending on the position of the indoor unit on the wall of your room, you can adjust the position of the outer air flow blade on the bottom of the unit, thus increasing the efficiency of the air conditioner.



1 Press the button.

Result: The outer blade moves up and down.

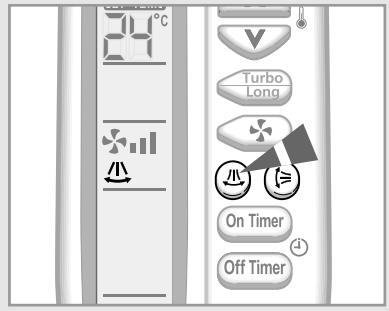
RECOMMENDATION	**When...**	**Adjust the blade to face...**
	Cooling	Upwards.

2 To stop the blade moving up and down, press the button again.

Note	*If you switch the air conditioner...*	*Then the blade is...*
	Off	Closed completely.
	On again	Set to the initial position powered.

Adjusting the Air Flow Direction Horizontally

There are two sets of air flow blades. Just as the outer air flow blade can be adjusted vertically, the inner blade can be adjusted horizontally.



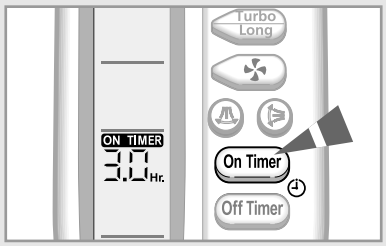
1 Press the button.

Result: The inner blade moves right and left.

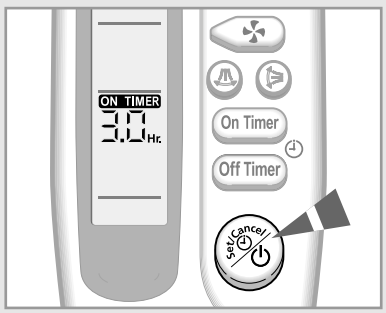
2 To stop the blade moving right and left, press the button again.

Setting the On Timer

The On Timer enables you to switch on the air conditioner automatically after a given period of time. You can set the period of time from 30 minutes to 24 hours.

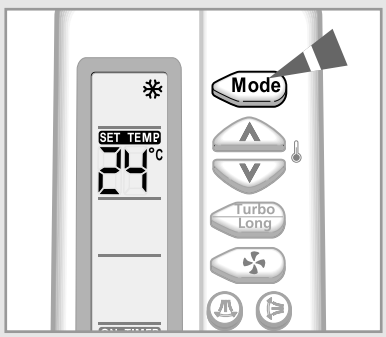


1 To set the operating time, press the (On Timer) button one or more times until the required time is displayed. Possible time is between 0.5 hour and 24 hours inclusive.



2 Press the (Set/Cancel) button to complete the setting.

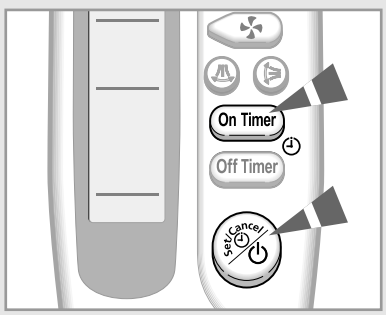
Result:
- ◆ The remaining time is displayed.
- ◆ Blinking of the timer indicator stops.
- ◆ The selected mode and the temperature on the display disappear after 10 seconds.
- ◆ The air conditioner will switch on automatically when the counter displayed on the remote control reaches the set time and disappears the On timer setting.



3 To select an operating mode in advance, press the (Mode) button until the desired mode is displayed at the top of the remote control.

Result: The air conditioner will run in the selected mode when it is turned on.

To Cancel the On Timer



1 To cancel the On Timer, press the (On Timer) button one or more times until the timer setting disappears.

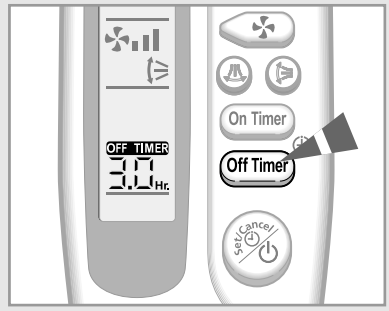
2 Press the (Set/Cancel) button.

Note If you want to turn on the air conditioner before the timer reaches the setting time, press the (On/Off) button.

Setting the Off Timer

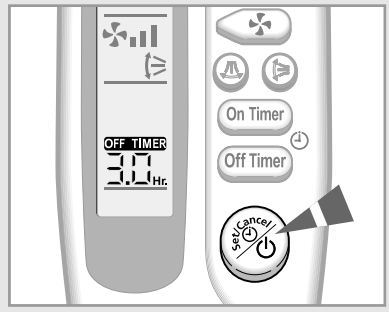
The Off Timer enables you to switch off the air conditioner automatically after a given period of time. You can set the period of time from 30 minutes to 24 hours.

1 To set the operating time, press the Off Timer button one or more times until the required time is displayed. Possible time is between 0.5 hour and 24 hours inclusive.



2 Press the (Set/Cancel) button to complete the setting.

Result:
- ◆ The remaining time is displayed.
- ◆ Blinking of the timer indicator stops.
- ◆ The air conditioner will switch off automatically when the counter displayed on the remote control reaches the set time and disappears the Off timer setting.



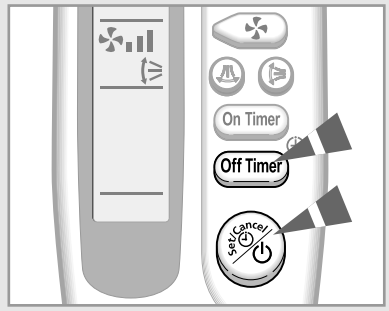
Example **If you would like to turn the air conditioner on after 2 hours and to operate it for 2 hours:**

1. Press the On Timer button until '2.0 Hr' is displayed.
2. Press the (Set/Cancel) button.
3. Press the Off Timer button until '4.0 Hr' is displayed.
4. Press the (Set/Cancel) button.

Note You can see or change the setting mode and/or the temperature by pressing the Mode button or the button after setting the Off timer.

To Cancel the Off Timer

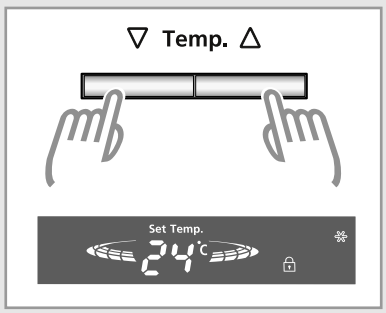
1 To cancel the Off Timer, press the Off Timer button one or more times until the timer setting disappears.



2 Press the (Set/Cancel) button.

Note If you want to turn off the air conditioner before the timer reaches the setting time, press the (On/Off) button.

Other Function



You can use the Lock function on the control panel of the indoor unit.

1 Press the ▽ Temp. △ buttons simultaneously for 3 seconds.

Result: ◆ 🔒 indicates on the control panel.
◆ The control panel is locked.

Note You can use the remote control even if the control panel is locked.

2 To cancel the Lock function, press the ▽ Temp. △ buttons simultaneously for 3 seconds once again.

Temperature and Humidity Ranges

The following table indicates the temperature and humidity ranges within which the air conditioner can be used.

If the air conditioner is used at...	Then...
High temperatures	The automatic protection feature may be triggered and the air conditioner stopped.
Low temperatures	A water leak or some other malfunction may occur if the heat exchanger freezes.
High humidity levels	Water may condense on and drip from the surface of the indoor unit if it is used for long periods.

Mode	Outdoor Temperature	Indoor Temperature	Indoor Humidity
Cooling	21°C to 54°C approx.	18°C to 32°C approx.	80% or less
Drying	18°C to 54°C approx.	18°C to 32°C approx.	-

✵ ***If the cooling operation is used at over 33°C(indoor temperature), it does not cool at its full capacity.***

Using the Control Panel on the Indoor Unit

You can operate the air conditioner with the control panel when you can't or don't want to operate the air conditioner with the remote control.

1 To operate the air conditioner, press the Power (On/Off) button.

Result:
- The air conditioner starts up in the mode selected when the unit was last used.
- The indoor unit beeps.
- If you want to stop, press the Power (On/Off) button once again.

2 Select the fan speed by pressing the Fan Speed button.

Note You can select each Medium, High, Turbo or Auto.

3 To adjust temperature, press the Temp. buttons once or more times.

Result:
- If you finish setting the temperature, the current temperature indicates on the control panel.

4 To select the Long function, press the Long button twice.

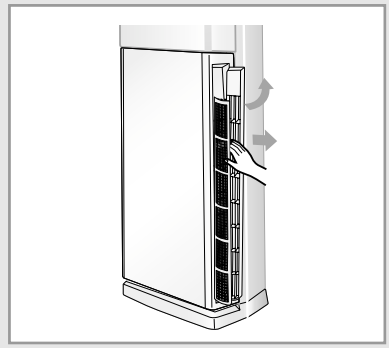
5 To select the Turbo mode, press the Turbo button.

Cleaning Your Air Conditioner

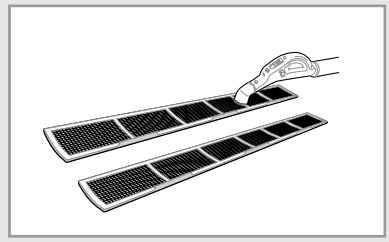
For the best use of your air conditioner, you must clean it every 2 weeks regularly to remove the dust that accumulates on the air filter.

IMPORTANT Before cleaning your air conditioner, ensure that you have switched off the breaker for the unit.

1 Open the grille, then pull out the air filter.



2 Remove all dust on the air filter with a vacuum cleaner or brush.



3 When you have finished, insert the air filter into the original position and close the grille.

4 Clean the unit with a damp cloth and mild detergent.
(do NOT use benzene, solvents or other chemicals)

Note ***If you have not used the air conditioner for a long period of time, set the fan going for 3 to 4 hours to dry the inside of the air conditioner thoroughly.***

Solving Common Problems

Before contacting the after-sales service, perform the following simple checks. They may save you the time and expense of an unnecessary call.

Problem	Explanation/Solution
The air conditioner does not operate at all	◆ Check that the breaker used for the air conditioner is switched on. ◆ Check that the operation indicator on the indoor unit is on; if necessary press the (On/Off) button on the remote control. ◆ Check whether the Timer indicator on the indoor unit is switched on. If so: - Wait until the switch-on time is reached and the air conditioner starts up automatically - Cancel the timer (see pages 16 and 17 for further details)
The air conditioner does not operate with the remote control	◆ Check that there are no obstacles between you and the indoor unit. ◆ Check the remote control batteries. ◆ Check that you are close enough to the indoor unit (7 meters/ yards or less).
No beep is heard when you press the (On/Off) button on the remote control	◆ Check that you are pointing the remote control at the remote control sensor in the right of the indoor unit. ◆ Replace the remote control batteries if necessary.
The air conditioner does not cool	◆ Check that the correct operating mode has been selected (AUTO, COOL). ◆ The room temperature may be too low. ◆ Dust may be blocking the air filter guard; refer to page 21 for cleaning instructions. ◆ Check that there is no obstacle in front of the outdoor unit.
The fan speed does not change when you press the button	◆ Check that the operating mode is set to COOL or FAN ; in the AUTO mode, the fan speed changes automatically and in the DRY mode, it is set to AUTO.
The air flow direction does not change when you press the or button	◆ Check that the air conditioner has been switched on; if necessary, press the (On/Off) button on the remote control.
The timer is not correctly triggered	◆ Check that the timer has been programmed correctly; see pages 16 and 17.
Odor is permeated in the room during operation	◆ You can use the FAN mode to ventilate your room.

Technical Specifications

Model Indoor unit	Power Supply
APC304NTB	220V~, 60Hz

THIS AIR CONDITIONER IS MANUFACTURED BY:

ELECTRONICS